

## GLOBAL CROSSING ETHERSPHERE CARRIER ETHERNET WAN SOLUTIONS

### *Ethernet Transport with Flexibility and Global Reach.*

Global Crossing's EtherSphere portfolio delivers worldwide Ethernet-based wide area network solutions. EtherSphere's virtual private LAN services (VPLS) provide the flexibility enterprises need to decrease network management costs, deploy diversity options, and improve connectivity among geographically dispersed locations. As an Ethernet service – EtherSphere provides economies of scale to support converged services on a single connection. EtherSphere offers a complete enterprise solution to extend network reach beyond the LAN, and beyond the metro, to locations around the globe.

### ETHERSPHERE FEATURE HIGHLIGHTS

Global Crossing's EtherSphere portfolio incorporates market-leading features that provide privacy, security, and rapid and flexible service provisioning, while giving the customer full routing control. Further, EtherSphere configurations are consistent with MEF services types.



**Multipoint to Multipoint** – Provides any to any multipoint data connectivity where all sites appear on same Ethernet access circuit.

**Point to Multipoint** – Provides hub and spoke site connectivity for service multiplexing, allowing more than one Ethernet virtual connection at the user-to-network interface; similar to traditional private line fan-out service.

**Point to Point** – Provides site to site connectivity similar to Ethernet private lines.

**Six Classes of Service** – EtherSphere offers an industry-leading six Classes of Service enabling users to priority rank traffic to maximize bandwidth efficiency and utilization.

**Flexible Billing** – While most VPLS offers require committed bandwidth, Global Crossing's EtherSphere provides more flexibility by offering a usage-based billing component, making it the right choice for backup and disaster recovery implementations.

**Optional Layer 2 and Layer 3 Interworking** – This capability provides Ethernet services to support very large locations and MPLS IP VPN services to interconnect the majority of sites, or where more cost effective.

### NETWORK REACH AND PERFORMANCE

The EtherSphere WAN portfolio is delivered on a common Cisco-powered platform around the globe. Customers will realize the same features and capabilities regardless of location.

**Reach** – Through the company's EtherExtend<sup>SM</sup> Flex and EtherExtend Fixed access services, and UK EtherSphere service, customers can connect to Ethernet transport services from 150 locations, including nearly 80 Cisco 7600 series provider edge routers, supporting 26 countries around the globe.

Additionally, Global Crossing's extensive footprint provides wide area network solutions in more than 690 cities and more than 60 countries over six continents with IP VPN services.

**Network Design Efficiency** – Uniform global architecture applied in all PoPs and Inter-PoP connections. The network is engineered with redundancy and capacity to ensure the optimal performance and survivability expected from carrier-class Ethernet services.

**Scalability** – A network designed for Converged IP services, Global Crossing's EtherSphere can meet a broad range of business applications to improve business efficiency at speeds from 1 Mbps to 2 Gbps.

## STANDARD FEATURES AND SPECIFICATIONS

- Flexible bandwidth (Committed Data Rate)
  - 1-10 Mbps in 1 Mbps increments
  - 10-100 Mbps in 5 Mbps increments
  - 100-1000 Mbps in 25 Mbps increments
  - 1000-2000 Mbps in 100 Mbps increments
  - Greater than 2 G – upon request
- Six classes of service based on 802.1p and MAC addresses
- Global coverage including North America, Europe and the UK, Asia, and Latin America
- Performance SLAs with the ability to view, measure and validate POP-to-POP metrics including: frame delivery, latency, jitter, and mean time to repair.
- Layer 2 EtherSphere and Layer 3 IP VPN interworking
- Converged services capability supporting DIA, VoIP, collaboration, and IP VPN
- VLAN stacking (QnQ) provides an alternate means of originating multiple VLANs from the customer premise using a single VLAN to access multiple applied service instances
- Support for IP protocols and non-IP protocols (E.g., SNA)
- Full customer control to change and manage IP addressing transparently to service

## SUPERIOR CUSTOMER EXPERIENCE

From initial delivery through the life of the service, Global Crossing's approach to the customer experience is second to none.

**Service Express™** – Global Crossing's best-in-class service delivery program means EtherSphere services will be delivered ready for use on the dates expected.

**uCommand®** – Global Crossing's electronic portal directly provides 24X7 online access to provision, troubleshoot, control, monitor, support, and manage your Global Crossing services and network.

For more information on this and other Global Crossing services, please visit [WWW.GLOBALCROSSING.COM](http://WWW.GLOBALCROSSING.COM) or contact your Global Crossing Account Manager.

